

Date: Tue, 2 Feb 93 12:29:55 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #155
To: Info-Hams

Info-Hams Digest Tue, 2 Feb 93 Volume 93 : Issue 155

Today's Topics:

 WANTED Single Chan Receiver
 Can scanners pick up CORDLESS phones ??
 circuit modeling
 Contesting question
 Date: Ft. Walton, Fla. Hamfest???
 Great Circle Bearings Data Base? (2 msgs)
 Ham Radio Causes Cancer!
 Help needed with old callsign.
 Kenwood TH-78A
 LICENSE DELAYS
 Posting Private Mail (Was: Re: Real hams?)
 Solar panel night discharging (2 msgs)
 Solar Panels: advice, sources
 UK call signs

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 2 Feb 93 09:00:50 CST
From: usc!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!kuhub.cc.ukans.edu!
bbb@network.UCSD.EDU
Subject: *WANTED* Single Chan Receiver
To: info-hams@ucsd.edu

We are looking for a receiver to monitor a single frequency
(469.550MHz). Looking back at an old Radio Shack catalog, they use to sell
just what we're needing. It was the PRO-27 2 channel receiver.

Crystal set, small and battery powered. (RS#20-108) The bad news of course is this radio-receiver was discontinued in 1991. So my questions are:

Can anyone suggest to me a source of a similar receiver?

Would any one have one of these radios they would like to sell (or donate to the University.)?

Again it needs only one frequency, crystal setting is just fine, small and be battery powerable. Oh and it is FM.

Thanks for ANY input.

BB

Email Welcomed.

Date: Tue, 2 Feb 93 14:05:29 GMT
From: pacbell.com!att-out!walter!porthos!dancer!whs70@network.UCSD.EDU
Subject: Can scanners pick up CORDLESS phones ??
To: info-hams@ucsd.edu

In article <1993Feb1.225817.7591@gw.wmich.edu> 315nikorawal@gw.wmich.edu writes:
> I would like to know on what frequencies do cordless phones
> operate ??? Can a scanner pick up these frequencies ?

Many cordless operate in the 49 Mhz range and, yes, you can receive those transmissions with a scanner if you are close enough to pick up the signal. The power level of cordless phones is very low which is why they have such limited ranges (usually only a few hundred feet at best.)

Note, this information is about "cordless", not cellular phones. I mention that as there is a distinct difference that some people are not familiar with. Cellular phones operate in the 800mhz range.

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: 2 Feb 93 08:52:29 CST

From: sun-barr!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!menudo.uh.edu!
ccsvax.sfasu.edu!f_speerjr@decwrl.dec.com
Subject: circuit modeling
To: info-hams@ucsd.edu

I'm just getting back into ham radio after a 10-year layoff. Looking at the mags, I read about software meant to model circuits. Can anyone tell me which package is the best? How good is it? How about rf circuits, antennas, etc? Any shareware?

P.S. I'm aware there are separate antenna modeling programs -- I'm talking about "full-function" packages.

Thanks!

James R. Speer	Phone: 409 568 1478
Department of Psychology	Fax: 409 568 2190
Stephen F. Austin State University	E-mail: F_SPEERJR@ccsvax.sfasu.edu
Nacogdoches TX 75962-3046	Ham Radio: K5YUT

Date: 2 Feb 93 15:33:30 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
usenet.ins.cwru.edu!agate!doc.ic.ac.uk!uknet!edcastle!spider!raft.spider.co.uk!
jmorris@network.UCSD.EDU
Subject: Contesting question
To: info-hams@ucsd.edu

In article <1993Jan30.165030.20760@epas.toronto.edu> brucerob@epas.utoronto.ca
(Bruce Robertson) writes:

>
>The novice roundup seems a good time to test out my new antenna and
>improve my code skills, but I'm not really interested in competing or
>filling out all those forms. Is it fair to contact someone who is in a
>contest (any contest) without yourself competing, or does this somehow
>mess up the verification process later on?

>
Hey, if it does, then I sure have messed up a lot of contests in my time!

Putting my "ex serious VHF contester" hat on, contest operators rely on
contacts from non-combatants! Not only fair - but very, very welcome!

One proviso: Please work at least two stations: I have seen some contest
rules recently that say that a callsign appearing in only one contestant's
log may be disallowed.

73,

John.

--

-John Morris-Spider Systems Ltd-031 554 9424-jmorris@spider.co.uk-GM4ANB@GB7EDN-

Date: 2 Feb 93 09:21:26 -0500
From: vax.muskingum.edu!re_sims@sun.com
Subject: Date: Ft. Walton, Fla. Hamfest???
To: info-hams@ucsd.edu

Hi all,

Could someone please tell me the
exact dates of the Fort Walton, Florida
hamfest.

Thanks in advance

Jim N4JDP at:

re_sims@vax.cns.muskingum.edu

Date: Tue, 2 Feb 93 14:33:29 GMT
From: pacbell.com!att-out!walter!porthos!dancer!whs70@network.UCSD.EDU
Subject: Great Circle Bearings Data Base?
To: info-hams@ucsd.edu

In article <1993Feb1.184919.5819@odin.corp.sgi.com> adams@chuck.dallas.sgi.com
(Charles Adams) writes:

>in my spare time ;-) i thought that i'd just sit down and write, in C,
>(i guess a REAL CW op would do this in assembly language ;-)), a program
>to calculate great circle distances and directions to various locations on
>the planet. no problem. program works great and took less than 30 minutes
>to design, write, and debug.

>

>now the hard part, getting the data base.

>

>dug out the old Goode's World Atlas, pp 173-288, there is the data for
>city with long. es lat. oops copyright 1964!

The copyright should not be an issue as a city's longitude and latitude

is factual data which can not be copyrighted. The only thing that copyright protects in an Atlas is the specific map drawings and the presentation of data that is assembled in some format that is not simply alphabetical or numerical. That was a copyright issue that arose out of the use of telephone number data as found in a telephone directory. The US spreme court ruled that the data was simply factual data arranged alphabetically and did not, therefore, represent a "creative effort" which would be protected by copyright.

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: Mon, 1 Feb 1993 21:08:44 GMT
From: psinntp!psinntp!gdstech!gdstech!bat@nyu.arpa
Subject: Great Circle Bearings Data Base?
To: info-hams@ucsd.edu

IMO, creating a database of great circle bearings is a waste of your time. *most* people only need those bearings from their own QTH. I live in new york, why would I want to see the bearing from Seattle to Hong Kong? A person will usually only want the bearings from his place to a few hundred distant citites or countries. That's why current bearing programs merely ask your own Lat-Long, and print these out for you. So many people have PCs now, that almost anyone can run the program on his own. But, for that, you need a database of Lat-Lons for 400 or 500 cities around the world, and that stuff is avaiable now. I have one for DXCC places (17170 bytes) if you want it. Have fun. -pat

~r .signature

--

* Pat Masterson | KE2LJ@KC2FD *
* Grumman Data Systems | 516-346-6316. *
* M/S D12-25 | *

Date: 2 Feb 93 08:41:36 CST
From: sun-barr!cs.utexas.edu!swrinde!zaphod.mps.ohio-state.edu!menudo.uh.edu!
ccsvax.sfasu.edu!f_speerjr@decwrl.dec.com
Subject: Ham Radio Causes Cancer!
To: info-hams@ucsd.edu

>> ...
>>>Would you say that smoking does not cause cancer
>>>because you never saw anyone die under laboratory conditions and ruled
>>>out all other causes?
>> ...
>>
>> The difference is that the "link" between cigarette smoking and cancer is
>> far stronger than with EM fields. Smoking greatly increases your chances
>> of getting lung cancer. The studies investigating cancer and EM fields,
>> as I understand it, show either a weak correlation or no correlation at all.

There ARE good experimental studies showing that tobacco smoke CAUSES cancer in rats and dogs. I'm not aware of such studies with respect to AC magnetic fields. (However, second-hand reports I've read about an epidemiological study done in Sweden suggest there is enough correlational evidence to warrant further study.)

Date: 2 Feb 93 10:33:57 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: Help needed with old callsign.
To: info-hams@ucsd.edu

In article <1993Feb1.090657.2209@guvax.acc.georgetown.edu>,
roakley@guvax.acc.georgetown.edu wrote:

> Friends--
> I held a novice license in the late 1950's in Utah. To the best of
> my recollection, the callsign then was KN7HDS. (It had to be the late
> 1950's because we moved to the east coast in 1960.)

Bob-

I have the Fall, 1956, call book. As of that issue, no "KN's" had been issued in the seventh call area. The FCC hadn't finished off the "WN's" yet, due to the lower number of hams in the seventh district.

fred-mckenzie@ksc.nasa.gov

Date: 30 Jan 93 07:26:48 GMT
From: csus.edu!netcom.com!netcomsv!hotcity!axelon!rgbailey@decwrl.dec.com
Subject: Kenwood TH-78A
To: info-hams@ucsd.edu

I am interested in any mods for this radio that anyone knows about.

Thank you.

rgbailey

Date: Tue, 2 Feb 1993 15:48:24 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!hpscit.sc.hp.com!
icon.rose.hp.com!bparrish@network.UCSD.EDU
Subject: LICENSE DELAYS
To: info-hams@ucsd.edu

Chris Arndt (carndt@zeus.calpoly.edu) wrote:
:
: Maybe your VEs aren't as prompt as his were. :-)

I see the smiley... but I wanted to note something about this. We did a session last year with around 30 test candidates. The licenses from that session came out in TWO BATCHES about THREE WEEKS APART from the FCC. The paperwork for the batch went in all at the same time. I'm not sure what actually happens at the FCC, but it's possible for this to happen.

By the way, it's very handy to read postings occasionally on how long it's taking to help set expectations at test sessions. We're telling people 10 to 12 weeks right now, which seems to be kind of an average.

Bill Parrish
KM6KV

Date: Tue, 2 Feb 1993 16:28:12 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!malgudi.oar.net!ucbeh.san.uc.edu!att-
out!cbfsb!cbnews!cbnewsm!jeffj@network.UCSD.EDU
Subject: Posting Private Mail (Was: Re: Real hams?)
To: info-hams@ucsd.edu

In article <14570610@hpnmdla.sr.hp.com> alanb@hpnmdla.sr.hp.com (Alan Bloom) writes:

>In rec.radio.amateur.misc, jdm@Cadence.COM (Joe Mastroianni) writes:
>

>> Real hams plot DX-pileup strategy during sex.

Just don't let my wife find out. 8-)

Jeff

--

Jeff Jones AB6MB | Hooker : I'll do anything for \$50!
jeffj@seeker.mystic.com | Henny Youngman: Will you paint my house?
Infolinc BBS 415-778-5929 |

Date: Tue, 2 Feb 1993 13:46:20 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!zaphod.mps.ohio-state.edu!
malgudi.oar.net!chemabs!vjh21@network.UCSD.EDU
Subject: Solar panel night discharging
To: info-hams@ucsd.edu

If all you really have is two solar panels and the battery
the put a diode in series with the panels and the battery.
You will have a 50 - 50 chance of connecting it in the correct direction.
If you are lucky the first time, it will prevent the discharging
and you are done.
If you are not lucky and connect it in the wrong order, then the
panels will not be able to charge the battery. They would only
be able to discharge the battery when the light level was low.

If you can find a germanium diode, it would be slightly more efficient.

There was a lengthy article on a solar cell controller with many
features in a QST article a year or so ago. It was not as you
requested 'fairly simple'.

v
ka8cte

--

| Vincent Herried (614) 447-3600 x 2877
| Chemical Abstracts Service
| P.O. Box 3012
(_)-----| Columbus, OH 43210-0012
|
(_)-----|
|
(_)-----| Current thought: People who cannot be
| understood are geniuses, so management
| assigns them the toughest projects.
|

Date: 2 Feb 93 17:55:09 GMT
From: news-mail-gateway@ucsd.edu
Subject: Solar panel night discharging
To: info-hams@ucsd.edu

> I have two solar power panels which I want to use to charge a deep
> cycle battery. I need a device to turn the circuit off when the
> panel would start to drain the battery rather than charge it. Does
> any body have a fairly simple circuit design, know of a device, or
> a way to accomplish this.
>

The simplest way to do this would be to simply put a nice-sized diode
between the panels and the battery. Voila - power can only flow one
way.

If your drain is low, just use a 1N4004, which is a 4 amp diode.
Really, you could just go to rat shack and pick up a blister pack of
10 amp diodes and you'd be set, for about \$2.

Just be aware that depending on the diode, you will experience a
small voltage drop.

\\ / Ben Mehlman Indigo..
^ ^ Trirex Systems Inc

bmehlman@trirex.com Indigoing..
@
___/ >NeXTMail Welcome< Indigone.

Date: Tue, 2 Feb 1993 16:57:09 GMT
From: sdd.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!news1.boi.hp.com!
swalton@network.UCSD.EDU
Subject: Solar Panels: advice, sources
To: info-hams@ucsd.edu

Peter Laws (plaws@uaafhp.uark.edu) wrote:

:
: I need to get a Solar panel (or panels) to charge a car or marine
: battery which will in turn power a 100W HF rig for an average of less than

```

: 1 hr/day. ( <30 hr/mo -- nothing else on circuit)
:
: a) The panel must be rugged and reliable as it will power a station in
: V31 (*not* on the keys).
:
: b) It must be relatively easy to ship.
:
: c) It must be under $20.
:
: d) c) is a joke, but I don't have unlimited funds. I expect $100< X <$300.
:
: Anyone have experience / advice / sources for the above?
:
: Many thanks in advance...
:
:
: Peter Laws|GEnie:P.LAWS1| "Finally: one of our guys is |plaws@uafhp.uark.edu
: n5uwy@ka5bml.ar.usa.noam| driving the car"--Dennis Miller|plaws@uafsysb.bitnet
:

```

There is an outfit near Boise that has panels anywhere from 8W to 51W (.5AH @ 17V to 3.0AH @ 17V) for very reasonable prices (\$150-\$420). But that's about as good as you're going to get. They have some 51W panels (which are NOT rugged) for about \$325. I'll get you the info tomorrow. They are called "Backwoods <something or other>".

-Sean
KB7RFA

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Date: Tue, 2 Feb 93 15:52:39 GMT
From: swrinde!zaphod.mps.ohio-state.edu!howland.reston.ans.net!
usenet.ins.cwru.edu!agate!doc.ic.ac.uk!warwick!nott-cs!unicorn!
eeyimkn@network.UCSD.EDU
Subject: UK call signs
To: info-hams@ucsd.edu

```

In article <C1tGu7.HK@brunel.ac.uk> cs90nrs@brunel.ac.uk (Nicholas R Swift) writes:

>Mark Readman (control3@McRCIM.McGill.EDU) wrote:

>

>: I would like to know the call signs currently in use in

>: UK. What should I be listening for on HF. Is it

> The following are currently in use for HF:

> G 0 xxx

> G 2 xx

> G 3 xxx

> G 4 xxx
> G 5 xx
>
> 2 x 0 xxx (Novice licence-holders using QRP)
>

And.. don't forget the Class B (above 30MHz only, no code (and proud of it!))
G6XXX,G8XXX,G1XXX,G7XXX

Class B novices have the 2x1 range, i.e. 2E1AAA for England, 2M1AAB for Scotland.

Currently the G0 and G7 series are being issued. When these run out, G5 will be used for Class B calls, and eventually the whole system will go over to issuing new calls with the M prefix (The UK has got wedges of call series allocated - as well as the GAA-GZZ, we've got MAA-MZZ,2AA-2ZZ and some other more obscure bits as well.

>Also to be heard will be GBnxxx where n is 0,2,3,4 or 5. These calls are for
>special events. Club calls may insert an extra character between the G and
>the digit, depending on their location within the UK.

GB3+2 (ie GB3WK) are repeaters, and GB3+3 (ie GB3VHF) are beacons.

Can't remember the club calls offhand (I don't bring BR68 down to the computer centre :-)) , but England goes to GX.

Messages on packet (or packet/AMTOR BBS's on HF) with GB7 calls (i.e. my local BBS, GB7BAD) are handled by full-service BBS's with GB7+3 callsigns. Only full-service systems with GB7 calls can handle 3rd party traffic.

Back to the normal calls:

Don't forget the regional identifiers. A call is modified by a second letter after the initial G (or 2) - to indicate geographic region.

G --> England
GM -> Scotland
GW -> Wales
GJ -> Jersey]
GU -> Guernsey] Channel Islands
GD -> Isle of Man
GI -> Northern Ireland

A call changes depending on where the station currently is located. For instance, I'm usually G7GPA when at home. If I went to Scotland, while I was there I'd use GM7GPA. No, I don't know why Scotland isn't GS either. :-)

>You may also hear M0RSE, this is not a pirate. The M series is allocated to
>the UK and the RSGB persuaded the licencing authorities to let it be used
3for special events.

Just a final mention to the G5+3 and G9 series.

The G5+3 calls used to be allocated to overseas license holders applying for

reciprocal licenses for visiting the UK. These days just G0/home call is used, i.e. G/W3F00. The G9 series is for 'experimental stations' and seems to be a bit of a grey area.

There you go, an encyclopaedic coverage of the obscurities of the UK callsign system...

Cheers all,

Mike

(G7GPA=England, Class B :-)

--

+-- 'with the lights out, it's less dangerous...' -----+
|----- Mike Knell, Willoughby Hall, University of Nottingham, I092JX -----|
| AMPRnet: mikee@g7gpa.ampr.org ==- Internet: eeyimkn@unicorn.nott.ac.uk /

Date: 2 Feb 93 02:39:22 GMT

From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
spool.mu.edu!olivea!gossip.pyramid.com!pyramid!infmtx!seashore!

randall@network.UCSD.EDU

To: info-hams@ucsd.edu

References <1k19uiINNn9i@west.West.Sun.COM>, <C1JF08.EnI@amdcl2>,
<1993Jan28.183037.18708@porthos.cc.bellcore.com>i

Subject : Re: 6m and 10m HTs and mobile units, was...Re: New Products

whs70@dancer.cc.bellcore.com (sohl,william h) writes:

>I heard about these in December and contacted Azden. Azden also has

>regular mobile units going through FCC type acceptance now also.

>They'll also be 6m and 10m units for FM only. Pricing for the

>units was estimated to be in the high \$300 range.

>Looks like a nice addition to the 6 meter equipment availability situation.

Maybe 6m FM will get more popular now. I hope so ... it's barely used even in a large area like S.F.

--

=====

Randall Rhea	Informix Software, Inc.
Project Manager, MIS Sales/Marketing Systems	uunet!pyramid!infmtx!randall

Date: Tue, 2 Feb 1993 17:02:05 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!howland.reston.ans.net!usc!
sol.ctr.columbia.edu!eff!world!sharon@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan31.235455.26589@progress.com>, <harp.98@bnr.ca>,
<1993Feb2.154940.28909@cbnewsm.cb.att.com>.edu
Subject : Re: Real Hams: A non ham view

Jeff Jones AB6MB writes:

> Please don't get the idea that this newsgroup is a reflection of the
> ham community in general. This newsgroup should probably be called
> rec.radio.amateur.bizarre at times. Here is what ham radio is really
> about;

and then he lists a whole bunch of great things about ham radio,
including

> Hams spending a Saturday helping with communications at a Walkathon
> for M.S.

As well as providing logistical support for everything from local
parades to the Boston Marathon.

> Hams telling other hams around the country to drop by if they are in
> the area.

Not just around the country! My husband and I spent our vacation last
summer visiting ham friends in the ex-USSR. And I don't mean just dropping
by; I mean we were invited to STAY WITH THEM and their families.

This summer I hope to accept an invitation from a ham friend in
Slovenia (I hope you'll be able to hear S5/KC1YR! :-))

> Hams standing by on a repeater with a fellow ham whose car is broken
> down in the middle of nowhere until help arrives. (This was my car).

Mine, too, except it wasn't in the middle of nowhere; it was smoke
pouring out of my hood as I was stuck in traffic heading into the
tunnel to Logan Airport in Boston. A couple of very kind hams
directed me to the nearest local gas station they knew could be
trusted. Not only did I make my plane, but the repairs cost less
than \$20 (turned out to be a busted hose).

> Can anyone else add to this list? I am sure there is much, much more.

Yes:

Hams helping the Red Cross help people whose homes were damaged during hurricanes, earthquakes, etc.

Hams providing manpower to local and state emergency communications officials during blizzards.

And, what I am most proud of as a ham, hearing what our colleagues in ex-YU are doing: hams providing the ONLY way that people with friends and relatives in Bosnia-Herzegovina can get any news about their loved ones.

> DO NOT USE THIS NEWSGROUP AS A EXAMPLE OF HAM RADIO! IF YOU JUNK THE
> OFF THE WALL DISCUSSIONS AND READ HOW OTHER HAMS ARE HELPING OTHER
> HAMS HERE, YOU WILL SEE THE SPIRIT OF HAM RADIO.

There are rude, obnoxious people on the air, too, and some pretty stupid arguments. However, I think the ratio of flamefests to other transmissions is pretty low. I have met some TRULY wonderful, wonderful friends via amateur radio.

73,
Sharon KC1YR

--
Sharon Machlis Gartenberg
Framingham, MA USA
e-mail: sharon@world.std.com

End of Info-Hams Digest V93 #155
